

Roll No



**PRESIDENCY UNIVERSITY  
BENGALURU**

**SCHOOL OF INFORMATION SCIENCE  
END TERM EXAMINATION - JAN 2023**

**Semester :** Semester I - 2022

**Course Code :** CSA1002

**Course Name :** Sem I - CSA1002 - Web Design and Development

**Program :** BCA

**Date :** 6-JAN-2023

**Time :** 9.30AM – 12.30PM

**Max Marks :** 100

**Weightage :** 50%

**Instructions:**

- (i) Read all questions carefully and answer accordingly.*
- (ii) Question paper consists of 3 parts.*
- (iii) Scientific and non-programmable calculator are permitted.*

**PART A**

**ANSWER ALL THE FOLLOWING QUESTIONS**

**10 X 2 = 20M**

1. Explain standard XHTML document structure. (CO1) [Knowledge]
2. Who Creates and Maintains CSS? (CO1) [Knowledge]
3. What is Pseudo-elements ? (CO2) [Knowledge]
4. How does Z index function works? (CO2) [Knowledge]
5. Which among the following is more precedent: CSS properties or HTML procedures? (CO2) [Knowledge]
6. Enumerate the differences between Java and JavaScript?
7. How are DOM utilized in JavaScript? (CO3) [Knowledge]
8. What do you understand about XML Namespaces and Linking? (CO3) [Knowledge]
9. How can we define a variable accessible in functions of a PHP script? (CO3) [Knowledge]
10. In Perl we can show the warnings using some options in order to reduce or avoid the errors. What are that options? (CO3) [Knowledge]

## PART B

ANSWER ALL THE FOLLOWING QUESTIONS

5 X 10 = 50M

11. What are selectors? Design a Student submission FORM by using Selectors.  
(CO1) [Comprehension]
12. Write a JavaScript program to set the background color of a paragraph.  
(CO2) [Comprehension]
13. Write a JavaScript conditional statement to find the largest of five numbers. Display an alert box to show the result  
(CO2) [Comprehension]
14. List and explain the different events in JavaScript–  
i) frame events  
ii) mouse events  
iii) keyboards events  
iv) form events  
Write a program to show the operations of Mouse Events.  
(CO3) [Comprehension]
15. Write the PHP code to validate phone number. An message should pop up with incorrect phone number is uploded.  
(CO3) [Comprehension]

## PART C

ANSWER ALL THE FOLLOWING QUESTIONS

2 X 15 = 30M

16. Write a JavaScript that calculates the squares and cubes and output should be displays the resulting values in an HTML table format. If any character is entered as input alert message should display by saying message "Enter the interger".  
(CO2) [Application]
17. Write a pattern that matches e-mail addresses.  
The personal information part contains the following ASCII characters.  
Uppercase (A-Z) and lowercase (a-z) English letters.  
Digits (0-9).  
Characters ! # \$ % & ' \* + - / = ? ^ \_ ` { | } ~  
Character . ( period, dot or fullstop) provided that it is not the first or last character and it will not come one after the other.  
(CO2,CO3) [Application]

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